ELSEVIER

Journal of Inorganic Biochemistry 93 (2003) 277

JOURNAL OF Inorganic Biochemistry

www.elsevier.com/locate/jinorgbio

Author Index of Volume 93

Alexiou, M., 256
Ascenso, C.S., 100
Auchtung, T.A., 66

Bádenas, F., 141
Bartberger, M.D., 52
Basallote, M.G., 141
Beinert, H., 3
Biondi, B., 181
Bodo, K., 213
Bordin, F., 181
Brasuń, J., 119

Careri, M., 174
Chao, H., 247
Chapman, S.K., 92
Cheesman, M.R., 92
Chikira, M., 204
Chiotellis, E., 213
Citrin, D., 52
Cleland, W.W., 1, 61
Cordopatis, P., 109
Cramer, S.P., 41

Dallavalle, F., 174
Dawson, J.H., vii, ix
Dendrinou-Samara, C., 256
Dobosz, A., 119
Dotson, G., 84
Dunning Hotopp, J.C., 66
Durham, R.W., 125

Eichhorn, D.M., 41
Emptage, M., 84
Espey, M.G., 52
Evans, D.J., 41

Feelisch, M., 52
Fernández-Trujillo, M.J., 141
Fiol, J.J., 141
Font-Bardia, M., 141
Fregona, D., 181
Fukuto, J.M., 52

García-Raso, Á., 141
Garoufis, A., 221
Giovagnini, L., 181
Glowacka, A., 119
Goldberg, D.E., 265
Goodfellow, B.J., 100
Green, A.J., 92
Gu, W., 41
Guo, Y., 197

Hadjiliadis, N., 221
Hales, B.J., 11
Hall, I.H., 125
Harpstrite, S.E., 265
Hausinger, R.P., 66
Hengge, A.C., 61
Hoffman, B.M., 18
Hogan, D.A., 66
Hollenberg, P.F., 152
Hu, Z., 197

Jacquamet, L., 41
Jastrzab, R., 132
Ji, L.-N., 221, 247
Jiang, C.-W., 247
Jiang, K., 197

Kaliva, M., 161
Karapetian, A., 71
Katsoulakou, E., 109
Kessissoglou, D.P., 256
Koch, S., 41
Koshigoe, T., 204
Kyriakidis, D.A., 256

Lalioti, N., 256
Latimer, M., 41
Lee, H.-I., 18
Li, H., 247
Liao, D.-I., 84
Lindahl, P.A., 33
Liu, J.-G., 221
Liu, Y., 190
Loke, H.-K., 33
Lomozik, L., 132

Ma, X., 197
Manessi-Zoupa, E., 109
Máñez, M.A., 141
Marzano, C., 181
Maskos, Z., 11
McLean, P.A., 18
Meola, M., 235
Millar, M., 41
Miller, A.-F., 71
Miranda, K.M., 52
Moura, I., 100
Moura, J.J.G., 100
Mueller, S., 125
Munro, A.W., 92

Nagane, R., 204
Nair, B.U., 271
Nastopoulos, V., 109
Nelson, M.J., xi, 18
Nims, R.W., 52

Ocheskey, J.A., 265
Oksman, A., 265
Orme-Johnson, W.H., 18

Padmakumar, K., 71
Pantazaki, A.A., 256
Paolocci, N., 52
Papadopoulos, M., 213
Patil, D.S., 41
Patsis, G., 213
Peisach, J., 6
Pelecanou, M., 213
Pirmettis, I., 213
Piwnica-Worms, D., 265
Polyakov, V.R., 265

Ramachandran, B.M., 125
Raptopoulou, C., 109, 161, 213
Rawlings, J., 61
Reed, J.R., 152
Reid, G.A., 92
Reiss, L., 84
Ronconi, L., 181
Rusnak, F., 100

Salifoglou, A., 161
Sánchez, D., 141
Sandwick, R.K., 235
Sharma, V., 265
Sitran, S., 181
Sletten, E., 190
Smith, M.C., 41
Sneddon, L.G., 125
Sochacka, E., 119
Solans, X., 141
Sorkin, D.L., 71
Świątek-Kozłowska, J., 119

Tasada, A., 141
Tegoni, M., 174
Terzis, A., 109, 161
Terzis, A., 213
Thomas, D.D., 52
Tiliakos, M., 109
Tormanen, C.D., 243
Tram, M., 125
Trevisan, A., 181
Trikalitis, P., 256
True, A., 18
Tsivikas, I., 256
Tsoukalas, C., 213
Turner Jr., I., 84

Vaidyanathan, V.G., 271
Vance, C.K., 71
von Wachenfeldt, C., 92

Wang, H.-X., 41
Weaver, K., 235
Wink, D.A., 52

Yamen, B., 235
Yang, L., 197

Zagnoni, I., 174
Zhang, X., 197
Zhu, S., 197

Elsevier Science Inc.
PII: S0162-0134(03)00015-1

ELSEVIER

Journal of Inorganic Biochemistry 93 (2003) 278–281

JOURNAL OF Inorganic Biochemistry

www.elsevier.com/locate/jinorgbio

Subject Index of Volume 93

Acetyl-CoA synthase
identification and preliminary characterization of AcsF, a putative Ni-insertase used in the biosynthesis of acetyl-CoA synthase from *Clostridium thermoaceticum*, 33
AcsF
identification and preliminary characterization of AcsF, a putative Ni-insertase used in the biosynthesis of acetyl-CoA synthase from *Clostridium thermoaceticum*, 33
Activation energy
photo-lability of CO bound to Mo-nitrogenase from *Azotobacter vinelandii*, 11
Aminohydroxamic acids
pentacopper(II) 12-metallacrown-4 complexes with α- and β-aminohydroxamic acids in aqueous solution: a reinvestigation, 174
α-Aminoisobutyric residue (Aib)
dipeptides containing the α-aminoisobutyric residue (Aib) as ligands: preparation, spectroscopic studies and crystal structures of copper(II) complexes with H-Aib-X-OH (X=Gly, L-Leu, L-Phe), 109
Angeli's salt
comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. A chemical discussion of the differential biological effects of these redox related products of NOS, 52
Anti-leukemic drugs
cytotoxicity and mode of action of vanada- and niobatricarbadecaboranyl monohalide complexes in human HL-60 promyelocytic leukemia cells, 125
Antibacterial activity
high nuclearity nickel compounds with three, four or five metal atoms showing antibacterial activity, 256
Aqueous speciation
systematic studies on pH-dependent transformations of dinuclear vanadium(V)–citrate complexes in aqueous solutions, 161
Arginase
substrate inhibition of rat liver and kidney arginase with fluoride, 243
Bacillus subtilis
expression, purification and characterisation of a *Bacillus subtilis* ferredoxin: a potential electron transfer donor to cytochrome P450 BioI, 92
Biological vanadium processes
systematic studies on pH-dependent transformations of dinuclear vanadium(V)–citrate complexes in aqueous solutions, 161
Calcium carbonate
cooperativity between pepsin and crystallization of calcium carbonate in distilled water, 197
Carcinogenicity
interaction between macrocyclic nickel complexes and the nucleotides GMP, AMP and ApG, 190
Caspase inhibitors
cytotoxicity and mode of action of vanada- and niobatricarbadecaboranyl monohalide complexes in human HL-60 promyelocytic leukemia cells, 125
Catalysis
metal ion catalyzed hydrolysis of ethyl *p*-nitrophenyl phosphate, 61
the catalytic effect of Mg^{2+} and imidazole on the decomposition of 5-phosphoribosyl-α-1-pyrophosphate in aqueous solution, 235
Chloroquine
synthesis, characterization, and molecular structure of a gallium(III) complex of an amine-phenol ligand with activity against chloroquine-sensitive *Plasmodium falciparum* strains, 265
Coenzyme B_{12}
crystal structure of substrate free form of glycerol dehydratase, 84
Complexes
copper(II) complexes with uridine, uridine 5′-monophosphate, spermidine, or spermine in aqueous solution, 132
Cooperativity
cooperativity between pepsin and crystallization of calcium carbonate in distilled water, 197
Copper (II) complex
oxidative cleavage of DNA by tridentate copper (II) complex, 271
Copper(II) complexes
dipeptides containing the α-aminoisobutyric residue (Aib) as ligands: preparation, spectroscopic studies and crystal structures of copper(II) complexes with H-Aib-X-OH (X=Gly, L-Leu, L-Phe), 109
pentacopper(II) 12-metallacrown-4 complexes with α- and β-aminohydroxamic acids in aqueous solution: a reinvestigation, 174
Copper(II)
copper(II) complexes with uridine, uridine 5′-monophosphate, spermidine, or spermine in aqueous solution, 132
Copper
interaction of Cu(II)–Arg–Gly–His–Xaa metallopeptides with DNA: effect of C-terminal residues, Leu and Glu, 204
Cytochrome P450
expression, purification and characterisation of a *Bacillus subtilis* ferredoxin: a potential electron transfer donor to cytochrome P450 BioI, 92
Cytochrome b_5
comparison of substrate metabolism by cytochromes P450 2B1, 2B4, and 2B6: relationship of heme spin state, catalysis, and the effects of cytochrome b_5, 152
Cytotoxic activity
Pt(II) and Pd(II) derivatives of *ter*-butylsarcosinedithiocarbamate, 181
DNA binding
syntheses, characterization and DNA-binding studies of ruthenium(II) terpyridine complexes: $[Ru(tpy)(PHBI)]^{2+}$ and $[Ru(tpy)(PHNI)]^{2+}$, 247
DNA nucleotides
interaction between macrocyclic nickel complexes and the nucleotides GMP, AMP and ApG, 190
DNA
interaction of Cu(II)–Arg–Gly–His–Xaa metallopeptides with DNA: effect of C-terminal residues, Leu and Glu, 204

Elsevier Science Inc.
PII: S0162-0134(03)00016-3

Desulforedoxin
NMR solution structures of two mutants of desulforedoxin, 100
Diol dehydratase
crystal structure of substrate free form of glycerol dehydratase, 84
Dioxygenase
intrinsic tryptophan fluorescence as a probe of metal and α-ketoglutarate binding to TfdA, a mononuclear non-heme iron dioxygenase, 66
Dipeptide complexes
dipeptides containing the α-aminoisobutyric residue (Aib) as ligands: preparation, spectroscopic studies and crystal structures of copper(II) complexes with H-Aib-X-OH (X=Gly, L-Leu, L-Phe), 109
ENDOR
effects of substrates (methyl isocyanide, C_2H_2) and inhibitor (CO) on resting-state wild-type and NifV$^-$ *Klebsiella pneumoniae* MoFe proteins, 18
EPR
effects of substrates (methyl isocyanide, C_2H_2) and inhibitor (CO) on resting-state wild-type and NifV$^-$ *Klebsiella pneumoniae* MoFe proteins, 18
interaction of Cu(II)–Arg–Gly–His–Xaa metallopeptides with DNA: effect of C-terminal residues, Leu and Glu, 204
ESI-MS
enantioselective binding of Λ- and Δ-[Ru(bpy)$_2$(HPIP)]Cl$_2$ (HPIP= 2-(2-hydroxyphenyl)imidazo[4,5-*f*][1,10]phenanthroline) to the hexanucleotide [d(5′-GTCGAC-3′)$_2$], 221
interaction of Cu(II)–Arg–Gly–His–Xaa metallopeptides with DNA: effect of C-terminal residues, Leu and Glu, 204
ES–MS
pentacopper(II) 12-metallacrown-4 complexes with α- and β-aminohydroxamic acids in aqueous solution: a reinvestigation, 174
EXAFS
refinement of the nickel site structure in *Desulfovibrio gigas* hydrogenase using range-extended EXAFS spectroscopy, 41
Electron transfer
expression, purification and characterisation of a *Bacillus subtilis* ferredoxin: a potential electron transfer donor to cytochrome P450 BioI, 92
Equilibrium studies
synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N^6,$N^{6'}$-bisadenine, 141
Ethyl *p*-nitrophenyl phosphate
metal ion catalyzed hydrolysis of ethyl *p*-nitrophenyl phosphate, 61
FeMo-cofactor
effects of substrates (methyl isocyanide, C_2H_2) and inhibitor (CO) on resting-state wild-type and NifV$^-$ *Klebsiella pneumoniae* MoFe proteins, 18
photo-lability of CO bound to Mo-nitrogenase from *Azotobacter vinelandii*, 11
FeSOD
proton-coupled electron transfer in Fe-superoxide dismutase and Mn-superoxide dismutase, 71
Ferredoxin
expression, purification and characterisation of a *Bacillus subtilis* ferredoxin: a potential electron transfer donor to cytochrome P450 BioI, 92
Fluorescence
intrinsic tryptophan fluorescence as a probe of metal and α-ketoglutarate binding to TfdA, a mononuclear non-heme iron dioxygenase, 66
Fluoride
substrate inhibition of rat liver and kidney arginase with fluoride, 243
Gallium(III)
synthesis, characterization, and molecular structure of a gallium(III) complex of an amine-phenol ligand with activity against chloroquine-sensitive *Plasmodium falciparum* strains, 265
Glycerol dehydratase
crystal structure of substrate free form of glycerol dehydratase, 84
HPIP
enantioselective binding of Λ- and Δ-[Ru(bpy)$_2$(HPIP)]Cl$_2$ (HPIP= 2-(2-hydroxyphenyl)imidazo[4,5-*f*][1,10]phenanthroline) to the hexanucleotide [d(5′-GTCGAC-3′)$_2$], 221
Heme spin state
comparison of substrate metabolism by cytochromes P450 2B1, 2B4, and 2B6: relationship of heme spin state, catalysis, and the effects of cytochrome b_5, 152
Heme
comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. A chemical discussion of the differential biological effects of these redox related products of NOS, 52
Hemoglobin
comparison of the reactivity of nitric oxide and nitroxyl with heme proteins, 52
Hi-CO
photo-lability of CO bound to Mo-nitrogenase from *Azotobacter vinelandii*, 11
Histidine
interaction of Cu(II)–Arg–Gly–His–Xaa metallopeptides with DNA: effect of C-terminal residues, Leu and Glu, 204
Horseradish peroxidase
comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. A chemical discussion of the differential biological effects of these redox related products of NOS, 52
5-HT$_{1A}$ receptor
novel oxorhenium and oxotechnetium MO(NS)(S)$_2$ complexes in the development of 5-HT$_{1A}$ receptor imaging agents, 213
Hydrogenase
refinement of the nickel site structure in *Desulfovibrio gigas* hydrogenase using range-extended EXAFS spectroscopy, 41
Hydrolysis
metal ion catalyzed hydrolysis of ethyl *p*-nitrophenyl phosphate, 61
Imidazole
the catalytic effect of Mg^{2+} and imidazole on the decomposition of 5-phosphoribosyl-α-1-pyrophosphate in aqueous solution, 235
Iron–sulfur cluster
expression, purification and characterisation of a *Bacillus subtilis* ferredoxin: a potential electron transfer donor to cytochrome P450 BioI, 92
Iron–sulfur protein
expression, purification and characterisation of a *Bacillus subtilis* ferredoxin: a potential electron transfer donor to cytochrome P450 BioI, 92
α-Ketoglutarate
intrinsic tryptophan fluorescence as a probe of metal and α-ketoglutarate binding to TfdA, a mononuclear non-heme iron dioxygenase, 66
Lo-CO
photo-lability of CO bound to Mo-nitrogenase from *Azotobacter vinelandii*, 11
Malaria
synthesis, characterization, and molecular structure of a gallium(III) complex of an amine-phenol ligand with activity against chloroquine-sensitive *Plasmodium falciparum* strains, 265
Metal ions
coordination of thiouridine monophosphates with selected metal ions, 119
metal ion catalyzed hydrolysis of ethyl *p*-nitrophenyl phosphate, 61
Metallacrowns
pentacopper(II) 12-metallacrown-4 complexes with α- and β-aminohydroxamic acids in aqueous solution: a reinvestigation, 174

Metallacrown
high nuclearity nickel compounds with three, four or five metal atoms showing antibacterial activity, 256
Metallo-antimalarial
synthesis, characterization, and molecular structure of a gallium(III) complex of an amine-phenol ligand with activity against chloroquine-sensitive *Plasmodium falciparum* strains, 265
Mg^{2+}
the catalytic effect of Mg^{2+} and imidazole on the decomposition of 5-phosphoribosyl-α-1-pyrophosphate in aqueous solution, 235
MnSOD
proton-coupled electron transfer in Fe-superoxide dismutase and Mn-superoxide dismutase, 71
MoFe Protein
effects of substrates (methyl isocyanide, C_2H_2) and inhibitor (CO) on resting-state wild-type and $NifV^-$ *Klebsiella pneumoniae* MoFe proteins, 18
MoFe-protein
photo-lability of CO bound to Mo-nitrogenase from *Azotobacter vinelandii*, 11
Mutants
NMR solution structures of two mutants of desulforedoxin, 100
Myoglobin
comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. A chemical discussion of the differential biological effects of these redox related products of NOS, 52
NMR
enantioselective binding of Λ- and Δ-$[Ru(bpy)_2(HPIP)]Cl_2$ (HPIP= 2-(2-hydroxyphenyl)imidazo[4,5-*f*][1,10]phenanthroline) to the hexanucleotide $[d(5'\text{-GTCGAC-}3')_2]$, 221
interaction between macrocyclic nickel complexes and the nucleotides GMP, AMP and ApG, 190
NMR solution structures of two mutants of desulforedoxin, 100
Nephrotoxicity
Pt(II) and Pd(II) derivatives of *ter*-butylsarcosinedithiocarbamate, 181
Ni enzymes
refinement of the nickel site structure in *Desulfovibrio gigas* hydrogenase using range-extended EXAFS spectroscopy, 41
Ni-insertase
identification and preliminary characterization of AcsF, a putative Ni-insertase used in the biosynthesis of acetyl-CoA synthase from *Clostridium thermoaceticum*, 33
Nickel complexes
interaction between macrocyclic nickel complexes and the nucleotides GMP, AMP and ApG, 190
Nickel
high nuclearity nickel compounds with three, four or five metal atoms showing antibacterial activity, 256
Nitric oxide
comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. A chemical discussion of the differential biological effects of these redox related products of NOS, 52
Nitrogenase
effects of substrates (methyl isocyanide, C_2H_2) and inhibitor (CO) on resting-state wild-type and $NifV^-$ *Klebsiella pneumoniae* MoFe proteins, 18
Nitroxyl
comparison of the reactivity of nitric oxide and nitroxyl with heme proteins. A chemical discussion of the differential biological effects of these redox related products of NOS, 52
Non-heme iron
intrinsic tryptophan fluorescence as a probe of metal and α-ketoglutarate binding to TfdA, a mononuclear non-heme iron dioxygenase, 66
Oligonucleotide
enantioselective binding of Λ- and Δ-$[Ru(bpy)_2(HPIP)]Cl_2$ (HPIP= 2-(2-hydroxyphenyl)imidazo[4,5-*f*][1,10]phenanthroline) to the hexanucleotide $[d(5'\text{-GTCGAC-}3')_2]$, 221
Oxidative cleavage
oxidative cleavage of DNA by tridentate copper (II) complex, 271
P450 2B
comparison of substrate metabolism by cytochromes P450 2B1, 2B4, and 2B6: relationship of heme spin state, catalysis, and the effects of cytochrome b_5, 152
PH-dependent transformations
systematic studies on pH-dependent transformations of dinuclear vanadium(V)–citrate complexes in aqueous solutions, 161
Palladium(II) complexes
Pt(II) and Pd(II) derivatives of *ter*-butylsarcosinedithiocarbamate, 181
Pepsin
cooperativity between pepsin and crystallization of calcium carbonate in distilled water, 197
5-Phosphoribosyl-α-1-pyrophosphate
the catalytic effect of Mg^{2+} and imidazole on the decomposition of 5-phosphoribosyl-α-1-pyrophosphate in aqueous solution, 235
Peptide
interaction of Cu(II)–Arg–Gly–His–Xaa metallopeptides with DNA: effect of C-terminal residues, Leu and Glu, 204
Plasmodium falciparium
synthesis, characterization, and molecular structure of a gallium(III) complex of an amine-phenol ligand with activity against chloroquine-sensitive *Plasmodium falciparum* strains, 265
Platinum(II) complexes
Pt(II) and Pd(II) derivatives of *ter*-butylsarcosinedithiocarbamate, 181
Polyamines
copper(II) complexes with uridine, uridine 5′-monophosphate, spermidine, or spermine in aqueous solution, 132
Polypyridine ligand
syntheses, characterization and DNA-binding studies of ruthenium(II) terpyridine complexes: $[Ru(tpy)(PHBI)]^{2+}$ and $[Ru(tpy)(PHNI)]^{2+}$, 247
Potentiometry
coordination of thiouridine monophosphates with selected metal ions, 119
Protein conformation
comparison of substrate metabolism by cytochromes P450 2B1, 2B4, and 2B6: relationship of heme spin state, catalysis, and the effects of cytochrome b_5, 152
Proton-coupled electron transfer
proton-coupled electron transfer in Fe-superoxide dismutase and Mn-superoxide dismutase, 71
Rat liver and kidney
substrate inhibition of rat liver and kidney arginase with fluoride, 243
Reaction coupling
comparison of substrate metabolism by cytochromes P450 2B1, 2B4, and 2B6: relationship of heme spin state, catalysis, and the effects of cytochrome b_5, 152
Resistance
synthesis, characterization, and molecular structure of a gallium(III) complex of an amine-phenol ligand with activity against chloroquine-sensitive *Plasmodium falciparum* strains, 265
Rhenium
novel oxorhenium and oxotechnetium $MO(NS)(S)_2$ complexes in the development of 5-HT_{1A} receptor imaging agents, 213
Ru(II) enantiomers
enantioselective binding of Λ- and Δ-$[Ru(bpy)_2(HPIP)]Cl_2$ (HPIP= 2-(2-hydroxyphenyl)imidazo[4,5-*f*][1,10]phenanthroline) to the hexanucleotide $[d(5'\text{-GTCGAC-}3')_2]$, 221
Rubredoxin type proteins
NMR solution structures of two mutants of desulforedoxin, 100

Ruthenium(II) complex
syntheses, characterization and DNA-binding studies of ruthenium(II) terpyridine complexes: $[Ru(tpy)(PHBI)]^{2+}$ and $[Ru(tpy)(PHNI)]^{2+}$, 247
Secondary structure
cooperativity between pepsin and crystallization of calcium carbonate in distilled water, 197
Spectroscopic characterization
dipeptides containing the α-aminoisobutyric residue (Aib) as ligands: preparation, spectroscopic studies and crystal structures of copper(II) complexes with H-Aib-X-OH (X=Gly, L-Leu, L-Phe), 109
Spectroscopy
coordination of thiouridine monophosphates with selected metal ions, 119
Stability constants
pentacopper(II) 12-metallacrown-4 complexes with α- and β-aminohydroxamic acids in aqueous solution: a reinvestigation, 174
3D-structure
NMR solution structures of two mutants of desulforedoxin, 100
Substrate activation
substrate inhibition of rat liver and kidney arginase with fluoride, 243
Substrate inhibition
substrate inhibition of rat liver and kidney arginase with fluoride, 243
Superoxide dismutase
proton-coupled electron transfer in Fe-superoxide dismutase and Mn-superoxide dismutase, 71
Synchrotron radiation
refinement of the nickel site structure in *Desulfovibrio gigas* hydrogenase using range-extended EXAFS spectroscopy, 41
Synthesis
oxidative cleavage of DNA by tridentate copper (II) complex, 271
Technetium
novel oxorhenium and oxotechnetium $MO(NS)(S)_2$ complexes in the development of 5-HT_{1A} receptor imaging agents, 213
Thiouridine monophosphates
coordination of thiouridine monophosphates with selected metal ions, 119
Tridentate planar complex
oxidative cleavage of DNA by tridentate copper (II) complex, 271
Trimethylene-N^6,$N^{6'}$-bisadenine
synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N^6,$N^{6'}$-bisadenine, 141
Uridine 5′-monophosphate
copper(II) complexes with uridine, uridine 5′-monophosphate, spermidine, or spermine in aqueous solution, 132
Uridine
copper(II) complexes with uridine, uridine 5′-monophosphate, spermidine, or spermine in aqueous solution, 132
Vanada- and niobatricarbadecaboranyl monohalide complexes
cytotoxicity and mode of action of vanada- and niobatricarbadecaboranyl monohalide complexes in human HL-60 promyelocytic leukemia cells, 125
Vanadium(V) physiological ligand interactions
systematic studies on pH-dependent transformations of dinuclear vanadium(V)–citrate complexes in aqueous solutions, 161
Vanadium–citrate dinuclear structures
systematic studies on pH-dependent transformations of dinuclear vanadium(V)–citrate complexes in aqueous solutions, 161
X-ray crystal structures
dipeptides containing the α-aminoisobutyric residue (Aib) as ligands: preparation, spectroscopic studies and crystal structures of copper(II) complexes with H-Aib-X-OH (X=Gly, L-Leu, L-Phe), 109
X-ray crystallography
crystal structure of substrate free form of glycerol dehydratase, 84
X-ray structures
synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N^6,$N^{6'}$-bisadenine, 141
Zn(II) complexes
synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N^6,$N^{6'}$-bisadenine, 141